

WJ-T-900A — Tracked Hybrid-Electric Autonomous Mower

Flagship all-terrain slope & rough-grass platform · 900 mm cut · slopes up to 40°

A tracked, hybrid, fully-autonomous 3-blade mower built for the steep, overgrown, hard-to-reach ground where wheeled mowers can't safely operate — embankments, dams, solar farms and orchard/vineyard rows.

Hybrid-Electric | 900 mm 3-Blade | 40° Slope | Rubber Track

Key Features

- **Rubber-track chassis, up to 40° slope** — stable on dam levees, embankments and orchard/vineyard rows; low ground pressure
- **900 mm lifting deck**, 2 swing + 1 fixed blade, 20–150 mm — mulches tall grass, weeds and brush into fine clippings
- **RTK-GNSS autonomy**, no boundary wire — maps array rows, embankments and orchard alleys; repeatable scheduled routes
- **Hybrid powertrain** Briggs & Stratton 810cc 27 HP drives the 3-blade deck; a rechargeable pack drives the tracks — up to 8 h per full tank, peak 3,000–4,000 m²/h
- **Remote sites, no power** — hybrid drive runs all day on a single tank; no mains supply needed
- **LiDAR + 360° avoidance** — detects panels, posts, trenches, equipment and people, then stops and reroutes

Technical Specifications

Platform	Rubber-track hybrid-electric, all-terrain	**Net Weight**	339 kg
Cutting Width	900 mm	**Cutting Height**	20 – 150 mm (lifting deck)
Blades	2 swing + 1 fixed	**Blade Speed**	3,000 rpm
Peak Efficiency	3,000 – 4,000 m²/h	**Travel Speed**	0 – 6 km/h
Max Climbing Angle	≤ 40°	**Powertrain**	B&S 810cc 27 HP deck + battery track drive
Battery Endurance	Up to 8 h per full tank	**Battery Swap**	Service-replaceable
Fast Charger	Charger included	**Navigation**	RTK-GNSS autonomous, self-developed path planning
Obstacle Avoidance	LiDAR fusion (dynamic obstacles)	**Control**	Large-screen 2.4G remote + mobile APP with alarms

Operation	Autonomous scheduled routes + manual remote	Typical Terrain	Water-diversion levees, solar farms, orchard slopes

Standard Systems (included with every unit)

RTK-GNSS autonomous navigation with self-developed path planning — **no boundary wire** · LiDAR fusion obstacle avoidance for dynamic obstacles (people, animals, debris) · Large-screen 2.4G remote controller + mobile APP with alarms · Rechargeable battery pack for track drive · Charger included · Auto charging dock

Typical Applications

Orchard & vineyard inter-row · **Solar / PV farm vegetation** · **Dam & river embankments** · **Roadside & rail slopes** · **Land reclamation & rough brush**

WANJI — Jining Wanji Intelligent Technology Co., Ltd. · Autonomous Mower Division
Web: www.wanji-imp.com · Email: wendemin@wanji-imp.com · Tel/WeChat: +86 138 1126 1642
Specifications are based on the WANJI 2026 autonomous mower range and are subject to change without notice; final configuration confirmed per order. WANJI is the export sales arm of the manufacturing group.